

#3

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$562.00)

Complete if Known

Application Number 10/025,974
Filing Date December 19, 2001
First Named Inventor Shawn Jay Cunningham
Examiner Name Not Assigned
Group Art Unit Not Assigned
Attorney Docket No. 1426/3/2

COPY OF PAPERS
ORIGINALLY FILED

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number
Deposit Account Name

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	370.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$370.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 25 - 20** = 5 x Fee from below 9 = 45
Independent Claims 4 - 3** = 1 x 42 = 42
Multiple Dependent
Fee Paid

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$87.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	65.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$105.00)

SUBMITTED BY

Name (Print/Type) Jeffrey L. Wilson

Registration No. 36,058
(Attorney/Agent)

Complete (if applicable)

Telephone 919-493-8000

Signature

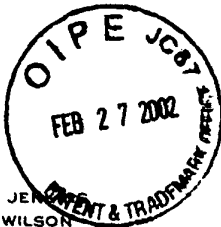
Jeffrey L. Wilson

Date

20 Feb. 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



RICHARD E. JENKINS
JEFFREY L. WILSON
ARLES A. TAYLOR, JR.
DAVID P. GLOEKLER
GREGORY A. HUNT
JOHN A. LAMERDIN, Ph.D.
BENTLEY J. OLIVE
E. ERIC MILLS
JULIE A. BROADUS, Ph.D. (PATENT AGENT)

JENKINS & WILSON, P.A.

PATENT ATTORNEYS
SUITE 1400 UNIVERSITY TOWER
3100 TOWER BOULEVARD
DURHAM, NORTH CAROLINA 27707

TELEPHONE (919) 493-8000
FACSIMILE (919) 419-0383

WEBSITE
JENKINSANDWILSON.COM

RALEIGH OFFICE

NCSU CENTENNIAL CAMPUS
VENTURE II SUITE 400
920 MAIN CAMPUS DRIVE
RALEIGH, NORTH CAROLINA 27606
TELEPHONE (919) 424-3710
FACSIMILE (919) 424-3711

February 20, 2002

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on February 20, 2002

April M. Williams
Date of Signature

COPY OF PAPERS
ORIGINALLY FILED

Commissioner for Patents
BOX MISSING PARTS
Washington, D.C. 20231

Re: U.S. Patent Application Serial No. 10/025,974 for MEMS DEVICE
HAVING AN ACTUATOR WITH CURVED ELECTRODES
Our File No. 1426/3/2

Sir:

Enclosed please find the following:

1. A Response to the Notice to File Missing Parts (2 pages);
2. An executed Declaration (2 pages);
3. A copy of the Notice to File Missing Parts;
4. An executed Assignment (2 pages);
5. Recordation Form Cover Sheet (Form PTO-1595);
6. Fee Transmittal, in duplicate;
7. A check in the amount of \$562.00; and
8. A return-receipt postcard to be returned to our offices with the U.S. Patent and Trademark filing stamp thereon.



Commissioner of Patents
February 20, 2002
Page 2

COPY OF PAPERS
ORIGINALLY FILED

Please contact our offices if there are any questions with this matter.

Although a check is being submitted, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment associated with the filing of this correspondence to Deposit Account Number 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.

Jeffrey L. Wilson
Registration No. 36,058
Customer No. Bar Code Label:

JLW/anw

Enclosures



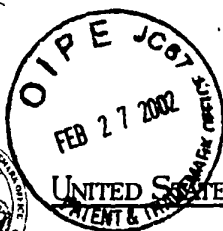
25297

PATENT TRADEMARK OFFICE

Addendum

1. MEMS DEVICE HAVING AN ACTUATOR WITH CURVED ELECTRODES

10025974-121901



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/025,974	12/19/2001	Shawn J. Cunningham	1426/3/2

CONFIRMATION NO. 7819

FORMALITIES LETTER



OC000000007389149

25297
JENKINS & WILSON, PA
3100 TOWER BLVD
SUITE 1400
DURHAM, NC 27707

Date Mailed: 01/30/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

COPY OF PAPERS
ORIGINALLY FILED

03/05/2002 SDIRETA1 00000048 10025974

FILED UNDER 37 CFR 1.53(b)

01 FC:201	370.00 DP
02 FC:205	65.00 DP
03 FC:203	45.00 DP
04 FC:202	42.00 DP

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 370 to complete the basic filing fee for a small entity.
- Total additional claim fee(s) for this application is \$87.
 - \$45 for 5 total claims over 20.
 - \$42 for 1 independent claims over 3 .
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 522.

A copy of this notice **MUST** be returned with the reply.

B. Habte-sold

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on 2/20/02

April N. Williams
April N. Williams
Date of Signature 2/20/02

#3
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Cunningham et al.

Group Art Unit: Not Assigned

Serial No.: 10/025,974

Examiner: Not Assigned

Filed: December 19, 2001

Docket No.: 1426/3/2

Confirmation No.: 7819

For: MEMS DEVICE HAVING AN ACTUATOR WITH CURVED ELECTRODES

**RESPONSE TO NOTICE TO FILE MISSING
PARTS - FILING DATE GRANTED**

Commissioner for Patents
BOX MISSING PARTS
Washington, D.C. 20231

Sir:

Pursuant to the "Notice to File Missing Parts of Application - Filing Date Granted" dated January 30, 2002, and having a period for response set to expire on March 30, 2002 please find enclosed the following:

1. An executed Declaration for the above-referenced U.S. Patent Application;
2. An executed Assignment and related Recordation Form Cover Sheet for the above-referenced U.S. Patent Application; and
3. A check in the amount of \$562.00 (\$457.00 representing the filing fee, \$65.00 representing the Missing Parts surcharge fee for a small entity and \$40.00 representing the Assignment recordation fee).

A copy of the Notice to File Missing Parts is being filed simultaneously.

Although a check is being submitted herewith, the Commissioner is hereby authorized to charge any deficiency or credit any overpayments in connection with the filing of this Response to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.

Date: 20 Feb. 2002

By:

Jeffrey L. Wilson
Jeffrey L. Wilson
Registration No. 36,058

COPY OF PAPERS
ORIGINALLY FILED

Suite 1400 University Tower
3100 Tower Boulevard
Durham, North Carolina 27707
Telephone: (919) 493-8000
Facsimile: (919) 419-0383

Customer No. Bar Code Label:

1426/3/2 GAH/anw

Enclosures



25297

PATENT TRADEMARK OFFICE